

Title (en)
SAFETY CAP

Title (de)
SICHERHEITSKAPPE

Title (fr)
BOUCHON DE SÉCURITÉ

Publication
EP 2860129 A4 20160504 (EN)

Application
EP 12878545 A 20121121

Priority
• JP 2012129510 A 20120607
• JP 2012080187 W 20121121

Abstract (en)
[origin: EP2860129A1] To provide a safety cap whereby a child-resistant function can be improved. A safety cap comprises a screw-type inner cap detachably mounted on a mouth of a container; and an outer cap that is combined with the inner cap so as to be rotatable relative to the inner cap. Each of the inner cap and the outer cap has a plurality of engaging protuberances, the engaging protuberances of the inner cap and the engaging protuberances of the outer cap being engaged with each other and rotating the inner cap when the outer cap is rotated while being pressed toward the inner cap. Each of the engaging protuberances has a vertical part that is engaged when the outer cap is rotated in a closing direction and an inclined part that is engaged when the outer cap is rotated in an opening direction. The inclined part has a steeply inclined part and a gently inclined part that has a gentler inclination than the steeply inclined part, the steeply inclined part and the gently inclined part being continuous with each other.

IPC 8 full level
B65D 41/04 (2006.01)

CPC (source: EP KR US)
B65D 50/041 (2013.01 - EP KR US); **B65D 2215/02** (2013.01 - EP KR US)

Citation (search report)
• [X] EP 2327633 A2 20110601 - STULL TECHNOLOGIES INC [US]
• [A] US 4284201 A 19810818 - NIXON ERIC
• See references of WO 2013183180A1

Cited by
EP3642128A4; AU2018289416B2; WO2018236858A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2860129 A1 20150415; EP 2860129 A4 20160504; EP 2860129 B1 20170614; AU 2012382165 A1 20150122; AU 2012382165 B2 20161117; CA 2875602 A1 20131212; CA 2875602 C 20190226; CN 104349988 A 20150211; CN 104349988 B 20160420; JP 6034379 B2 20161130; JP WO2013183180 A1 20160128; KR 20150021020 A 20150227; SG 11201408091W A 20150129; TW 201350396 A 20131216; US 2015175324 A1 20150625; US 9254947 B2 20160209; WO 2013183180 A1 20131212

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